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64TH CONGRESS, 2d Session. } HOUSE OF REPRESENTATIVES. { REPORT No. 1248.

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AGRICULTURE APPROPRIATION BILL.

DECEMBER 22, 1916.—Committed to the Committee of the Whole House on the state of the Union and ordered to be printed.

4.D. Cong. House.

Mr. LEVER, from the Committee on Agriculture, submitted the following

REPORT.

[To accompany H. R. 19359.]

The Committee on Agriculture begs to submit the following report, to accompany bill (H. R. 19359) making appropriations for the Department of Agriculture for the fiscal year ending June 30, 1918.

In the report which accompanied the appropriation bill for 1917 the committee discussed in detail the work conducted by the department under the various paragraphs in the bill. The work of the department since that time has made satisfactory progress along the lines indicated in that report. As this report is comparatively recent, the committee has not deemed it necessary at this time to set forth in detail the activities of the department and, accordingly, it has limited the discussion in the present report to changes made in the bill over the appropriation act for 1917.

The total sum carried by this bill for the Department of Agriculture is $25,694,685. This is an apparent decrease of $1,254,167 below the appropriation act for the current fiscal year, and a decrease of $660,222 below the estimates submitted by the department. The appropriation act for the fiscal year 1917, however, includes $3,000,000 for the purchase of lands under the Weeks Forestry Act, $2,000,000 of which will be available for expenditure during the fiscal year 1918. Excluding the $3,000,000, the present bill shows an increase over the act for 1917 of $1,745,833.

While the total carried by the bill is $25,694,685, the fact must not be lost sight of that one of the items—the appropriation of $1,250,000 for combating foot-and-mouth disease or other contagious or infectious disease of animals which may threaten the live-stock industry of the country—simply constitutes an emergency fund to be used only in case there is an outbreak of any of these diseases. In case there is no outbreak the fund will not be used and will be retained in the Treasury.

The increase carried in the bill over the appropriation for the present fiscal year, excluding the $3,000,000 for the purchase of lands under the Weeks law, is 0.7 per cent, as against an average increase of 8 per cent for the five preceding years.

The following table shows the appropriations for the present fiscal year, the estimates submitted by the various bureaus and offices to the

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Secretary of Agriculture, the estimates submitted by the Department of Agriculture to the committee, the amount carried in this bill, the increases and decreases of the bill, as compared with the estimates submitted by the department, and the increases and decreases of the bill, as compared with the appropriation for the present fiscal year:

Appropriations, 1918, United States Department of Agriculture.

Bureau or office.	Appropriation in agricultural act, 1917.	Bureau or office estimates, 1918.	Department estimates, 1918.	Reported by House committee.	Increase over or decrease below department estimates.	Increase over or decrease below 1917 appropriation.
Office of the Secretary	$402,350	$417,630 [1] 3,000	$422,070 [1] 3,000	$413,750	−$11,320	+ $11,400
Office of Farm Management	285,810	391,090	335,810	305,810	− 30,000	+ 20,000
Weather Bureau	1,747,260	1,980,530	1,855,030	1,778,320	− 76,710	+ 31,060
Bureau of Animal Industry	3,020,746	3,752,426 [1] 25,000	3,610,666 [1] 25,000	3,528,286	−107,380	+ 507,540
Bureau of Plant Industry	2,537,120	3,022,610 [1] 180,000	2,640,910 [1] 180,000	2,769,630	− 51,280	+ 232,510
Forest Service	[2] 8,549,735	5,900,555	5,790,355	5,711,195	− 79,160	−2,838,540
Bureau of Chemistry	1,153,801	1,392,331	1,289,331	1,212,311	− 77,020	+ 58,510
Bureau of Soils	503,735	539,535	364,135	363,855	− 280	− 139,880
Bureau of Entomology	868,880	1,003,950	941,100	911,980	− 29,120	+ 43,100
Bureau of Biological Survey	578,230	711,510	660,910	589,510	− 71,400	+ 11,280
Division of Accounts and Disbursements	44,920	44,720	44,720	45,160	+ 440	+ 240
Division of Publications	197,650	228,610	225,030	214,460	− 10,570	+ 16,810
Bureau of Crop Estimates	316,436	422,943	349,936	333,790	− 16,146	+ 17,354
Library	49,520	63,460	61,920	55,260	− 6,660	+ 5,740
Miscellaneous expenses, Department of Agriculture.	122,500	122,500	122,500	122,500	.....	.....
Rent in the District of Columbia	123,689	143,689	143,689	143,689	.....	+ 20,000
States Relations Service	2,969,680	3,155,760	3,155,640	3,111,900	− 43,740	+ 142,220
Office of Public Roads and Rural Engineering.	599,200	966,960	709,960	702,100	− 7,860	+ 102,900
Bureau of Markets	872,590	2,104,445	1,684,775	1,670,075	− 14,700	+ 797,485
Enforcement of the insecticide act	105,000	124,870	113,420	112,500	− 920	+ 7,500
Federal Horticultural Board	75,000	[1] 150,000 100,000	[1] 50,000 75,000	125,000	.....	+ 50,000
Total, Department of Agriculture for routine and ordinary work	[2] 25,123,852	26,848,124	24,854,907	24,221,081	−633,826	− 902,771
Miscellaneous appropriations:						
Demonstrations on reclamation projects	40,000	50,000	50,000	40,000	− 10,000	.....
International Farm Congress and Soil Products Exposition, El Paso, Tex.	20,000	.....	.....	.....	.....	− 20,000
National Dairy Show Association, Springfield, Mass	15,000	.....	.....	.....	.....	− 15,000
Cooperative fire protection of forested watersheds of navigable streams	100,000	100,000	100,000	100,000	.....	.....
Enforcement of the United States grain standards act	[3] 250,000	.....	.....	.....	.....	− 250,000
Enforcement of the United States warehouse act	[3] 50,000	.....	.....	.....	.....	− 50,000
Experiments and demonstrations in live-stock production in the cane-sugar and cotton districts of the United States	60,000	60,000	60,000	60,000	.....	.....
Experiments in dairying and live-stock production in semi-arid and irrigated districts of the western United States	40,000	87,500	40,000	23,604	− 16,396	− 16,396
Eradication of foot-and-mouth and other contagious diseases of animals	1,250,000	1,250,000	1,250,000	1,250,000	.....	.....
Grand total, Department of Agriculture	[2] 26,948,852	28,395,624	26,354,907	25,694,685	−660,222	−1,254,167

+ equals increase; − equals decrease.
[1] Supplemental estimate.
[2] Includes $2,000,000 appropriated under Weeks law for the fiscal year 1918.
[3] Transferred to Bureau of Markets.

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REVENUES.

In considering the above table it should be borne in mind that the appropriations of the Department of Agriculture are offset to some extent by certain revenues resulting from or incident to its activities. These revenues during the fiscal year 1916 amounted to $2,904,916.30, and were covered into the Treasury as miscellaneous receipts. They include the following items:

Receipts from national forests, $2,823,540.71.—The receipts from the national forests were derived from the following sources, and represent an increase of $342,071.36 over the year 1915:

(*a*) Timber, $1,412,592.51: Sales of all classes of stumpage on the national forests, payments for timber destroyed on rights of way or other uses, payments for timber cut or removed without previous permit, and damages assessed against persons setting fire to forest areas.

(*b*) Grazing, $1,210,214.59: Payments for grazing privileges on national forest ranges for cattle, horses, swine, sheep, and goats, and for unauthorized use of grazing areas.

(*c*) Special uses, $200,733.61: Payments for use of forest lands for various purposes, such as residences, camps, cabins, hotels, rights of way, agriculture, wharves, water power, telegraph and telephone lines, reservoirs, conduits, etc., and use of forest areas for turpentine extraction.

Under existing law 10 per cent of the forest receipts is expended by the Secretary of Agriculture in the construction of roads and trails, and 25 per cent of the forest receipts is paid to the States by the Federal Government for the benefit of county schools and roads. The amounts expended in or paid to each State during the fiscal year 1916 are shown below:

State.	School and road moneys payable to States.	Road and trail moneys expendable by Secretary of Agriculture.	State.	School and road moneys payable to States.	Road and trail moneys expendable by Secretary of Agriculture.
Alaska	$15,023.31	$6,009.32	New Mexico	$35,511.33	$14,204.53
Arizona	64,024.72	25,609.89	North Carolina	446.04	178.42
Arkansas	11,283.87	4,513.55	North Dakota	79.06	31.62
California	80,049.75	32,019.91	Oklahoma	985.29	394.11
Colorado	63,995.06	25,598.03	Oregon	77,029.23	30,811.69
Florida	3,799.02	1,519.61	South Dakota	15,442.59	6,177.03
Georgia	92.50	37.00	Tennessee	287.43	114.97
Idaho	87,395.79	34,958.32	Utah	48,383.09	19,353.24
Kansas	4.78	1.91	Virginia	1,037.28	414.91
Michigan	252.55	101.02	Washington	37,204.90	14,881.96
Minnesota	5,761.04	2,304.41	West Virginia	58.22	23.29
Montana	89,851.72	35,940.69	Wyoming	37,827.07	15,130.83
Nebraska	1,636.76	654.70			
Nevada	17,597.15	7,038.86	Total	695,541.40	278,216.56
New Hampshire	481.85	192.74			

The States of Arizona and New Mexico received additional shares of national forest receipts for their school funds on account of school lands included within national forests, as follows: Arizona, $31,046.12; New Mexico, $10,329.

Sale of condemned and other property, $59,880.34.—This covers the sale of unserviceable property owned by the department, which

has been passed upon, condemned, and ordered sold by a board of survey appointed by the Secretary. It also covers the proceeds derived from the sale of farm products grown on the various experiment farms of the department throughout the country (including insular stations); animals and animal products no longer needed in the work of the department; prints, lantern slides, transparencies, blue prints, forest maps, maps and publications of the Weather Bureau, card indexes of experiment-station literature, pathological and zoological specimens, samples of pure sugar, naval stores, microscopical specimens, etc.

Sale of hearings, $242.65.—This covers the sale of hearings conducted by the department in connection with the enforcement of the food and drugs act, the insecticide and fungicide act, and other activities of the department. These hearings are sold to corporations, firms, and individuals desiring them at the rate of 10 cents per folio, to cover the cost of preparing them.

Receipts from United States seacoast telegraph lines, $5,655.—These receipts are derived from the transmission of messages for private individuals over Weather Bureau telegraph lines through isolated regions along the seacoasts, where commercial lines are not yet available.

Sale of official cotton standards, $5,636.70.—This covers the sale of official cotton standards prepared by the Department of Agriculture to the various exchanges, spot-market dealers, merchants, cotton mills, agricultural colleges, and textile schools.

Receipts from settlement of disputes, $9,960.90.—These receipts are derived through the settlement of disputes referred to the department from time to time by either party to a contract of sale of cotton for future delivery for determination as to the quality, grade, or length of staple of the cotton, in accordance with the provisions of the United States cotton-futures act.

In the following pages the reasons for all increases in appropriations are given, and all changes in the statutory rolls are indicated.

OFFICE OF THE SECRETARY.

STATUTORY SALARIES (page 2, line 3).

The statutory roll of the office of the Secretary carries an increase of $11,400, as indicated in detail in the following table:

Promotions:		
Solicitor, from $5,000 to $6,000	$1,000	
Private secretary to the Secretary of Agriculture, from $2,500 to $3,000	500	
1 inspector, from $2,750 to $2,870	120	
1 law clerk, from $3,250 to $3,370	120	
		$1,740
New places:		
1 law clerk	3,000	
1 law clerk	1,600	
2 elevator conductors, at $720 each	1,440	
1 electrical wireman	1,100	
1 painter	1,020	
		8,160

Transfer from extra labor roll of Secretary's office, which fund has not been correspondingly reduced:		
1 elevator machinist	$900	
		$10,800
Place dropped:		
1 law clerk		2,000
		8,800
Transfers from funds of other bureaus, which funds have been correspondingly reduced:		
1 clerk class 2, from food and drugs, Bureau of Chemistry	$1,400	
1 clerk from statutory roll, Bureau of Plant Industry	720	
1 electrical engineer and draftsman from food and drugs, Bureau of Chemistry	1,200	
1 charwoman from statutory roll, Division of Publications	480	
	3,800	
Transfer to roll of another bureau, and the Secretary's roll correspondingly reduced:		
1 clerk class 1, to statutory roll, Division of Publications	1,200	
		2,600
Increase		11,400

Change of title:

12 assistant messengers, laborers, or messenger boys, at $720 each, in lieu of 12 assistant messengers or laborers at $720 each.

OFFICE OF FARM MANAGEMENT.

STATUTORY SALARIES (page 4, line 9).

The statutory roll of the Office of Farm Management carries an apparent increase of $7,620, but there is no actual increase, as indicated in detail in the following table:

Transfers from lump fund for farm management, which fund has been correspondingly reduced:	
1 assistant to the chief	$2,520
1 clerk class 4	1,800
2 clerks, at $900 each	1,800
1 cartographer	1,500
Apparent increase	7,620

Change of title:

1 clerk, $1,000, in lieu of 1 photographer, $1,000.

GENERAL EXPENSES.

Farm-management and farm-practice investigations (page 5, line 5).—There is an apparent increase in this item of $17,380, but, as $7,620 has been transferred to the statutory roll, there is an actual increase of $25,000. This sum will be used for the extension of the farm-management surveys.

WEATHER BUREAU.

STATUTORY SALARIES (page 5, line 9).

The statutory roll of the Weather Bureau carries an apparent decrease of $8,160, but no actual decrease, as indicated in detail in the following table:

Transfers to lump fund of this bureau and the statutory roll correspondingly reduced:	
24 messengers, messenger boys, or laborers, at $480 each, to station salaries	$11,520

Transfers from lump fund of this bureau which fund has been correspondingly reduced:		
1 printer or compositor, from station salaries	$1,200	
1 messenger, from station salaries	720	
4 messengers, messenger boys, or laborers, at $360 each, from station salaries	1,440	
		$3,360
Apparent decrease		8,160

Change of title:
1 skilled mechanic, $1,200, in lieu of 1 instrument maker, $1,200.

GENERAL EXPENSES.

Expenses outside of Washington (page 8, line 22).—There is an apparent increase in this item of $60,220, but as $3,360 has been transferred to the statutory roll and $11,520 from the statutory roll there is an actual increase of $52,060. This sum will be used as follows:

1. To provide for the normal growth of the weather service, $30,380—$15,120 for the employment of additional observers and other field assistants and $15,260 for equipment and miscellaneous expenses.

2. For investigating frost-protection methods for the benefits of orchardists, truck growers, and others, $10,000.

3. For equipping storm-warning towers on the Gulf coast with modern apparatus, bringing them up to the standard adopted for the lake stations, $10,000.

4. For the promotion of 14 field employees now receiving salaries in excess of $1,800 per annum, $1,680.

Official traveling expenses (page 9, line 4).—There is an increase in this item of $1,500 to provide for necessary travel incident to the extension of the frost-protection investigations and for better supervision and administration of the service as a whole.

BUREAU OF ANIMAL INDUSTRY.

STATUTORY SALARIES (page 9, line 8).

The statutory roll of the Bureau of Animal Industry carries an apparent increase of $42,140, but an actual increase of $6,620, as indicated in detail in the following table:

Promotions:			
1 chief clerk, from $2,500 to $2,620	$120		
1 editor and compiler, from $2,250 to $2,370	120		
1 executive clerk, $1,920 to $2,000	80		
		$320	
New places:			
7 clerks, at $900 each		6,300	
Actual increase			$6,620
Transfers from lump funds of this bureau, which funds have been correspondingly reduced:			
1 executive assistant, from administrative expenses	2,500		
1 clerk class 4, from dairy industry	1,800		
1 clerk class 3, from meat inspection	1,600		
1 assistant in live-stock investigations, from inspection and quarantine	1,600		

1 clerk class 2, from dairy industry	$1,400		
6 clerks class 1, 2 from inspection and quarantine, 1 from animal husbandry, 1 from hog cholera, and 2 from meat inspection	7,200		
3 clerks at $1,000 each, 1 from inspection and quarantine, 1 from administrative expenses, and 1 from meat inspection	3,000		
4 clerks at $900 each, 2 from dairy industry and 2 from control of viruses, etc	3,600		
1 laboratory aid, from meat inspection	1,200		
1 laboratory helper, from eradicating dourine	1,000		
1 laboratory helper, from diseases of animals	960		
1 laboratory helper, from eradicating cattle ticks	840		
1 quarantine assistant, from inspection and quarantine	900		
1 skilled laborer, from inspection and quarantine	900		
1 laborer, from dairy industry	900		
3 laborers at $780 each, 2 from military horse breeding and 1 from hog-cholera research	2,340		
5 messengers, skilled laborers, or laborers, at $720 each, 1 from diseases of animals, 3 from hog-cholera research, and 1 from control of viruses, etc	3,600		
14 laborers at $600 each, 2 from inspection and quarantine, 4 from dairy industry, 5 from animal husbandry, 1 from military horse breeding, and 2 from diseases of animals	8,400		
23 laborers at $540 each, 13 from dairy industry, 6 from animal husbandry, 3 from poultry feeding and breeding, and 1 from diseases of animals	12,420		
2 laborers at $300 each, from animal husbandry	600		
1 messenger boy, from meat inspection	660		
2 charwomen at $240 each, 1 from dairy industry and 1 from control of viruses, etc	480		
		$57,900	
Transfers to lump fund of this bureau:			
23 skilled laborers at $900 each, to meat inspection	20,700		
2 messengers, skilled laborers, or laborers, at $840 each, to meat inspection	1,680		
		22,380	
			$35,520
Apparent increase			42,140

Change of title:
1 painter, $900, in lieu of 1 skilled laborer, $900.

GENERAL EXPENSES.

Inspection and quarantine (page 12, line 14).—There is an apparent increase in this item of $95,500, but, as $8,000 has been transferred to the statutory roll, there is an actual increase of $103,500. This sum will be used as follows:

1. To meet the increased demand for tuberculin and blackleg vaccine, $3,500.

2. For the development of methods of eradicating tuberculosis among live stock, testing on a larger scale the methods which have proved efficient in controlling the disease on small areas, $75,000.

3. For the inspection and supervision of the disinfection of infected hides, skins, hair, wool, and other animal by-products with a view to prevent the introduction into this country of dangerous livestock diseases, $25,000. This sum was recommended by the Secretary of Agriculture in a supplemental estimate, which has been

printed as House Document No. 1739, Sixty-fourth Congress, second session.

Tick eradication (page 12, line 24).—There is an apparent decrease in this item of $840, but, as that amount has been transferred to the statutory roll, there is actually no change. The words "for breeding purposes" have been omitted from the paragraph. This will prevent the use of any part of the appropriation for the r-chase of animals for any purpose.

Dairy industry (page 13, line 13).—There is an apparent incr e in this item of $101,460, but, as $15,560 has been transferred to e statutory roll, the actual increase is $117,020. This sum will be u d as follows:

1. For the extension of the dairy farming investigations a d demonstrations, $27,900.
2. For dairy manufacturing work, including creamery and chee - factory investigations, $35,500.
3. For dairy research work, $15,220.
4. For market-milk investigations, $23,400.
5. For the inauguration of work in the improvement of dai products produced and consumed on the farm, $15,000.

Animal husbandry (page 13, line 17).—There is an appare increase in this item of $41,980, but, as $11,820 has been transferr to the statutory roll, there is an actual increase of $53,800. Th sum will be used as follows:

1. For studies of beef production in the corn belt, in cooperatio with the Office of Farm Management, $2,500.
2. For farm sheep investigations, $3,800.
3. For farm sheep demonstrations, in cooperation with the State Relations Service and the agricultural colleges, $25,000.
4. For the extension of the pig-club work, $12,500.
5. For the extension of the poultry-club work, $10,000.

Diseases of animals (page 14, line 7).—There is an apparent decrease in this item of $3,420, but, as that amount has been transferred to the statutory roll, there is actually no change.

Hog cholera (page 14, line 19).—There is an apparent increase in this item of $53,100, but, as $6,900 has been transferred to the statutory roll, there is an actual increase of $60,000. This sum will be used for the field hog-cholera work as distinguished from the work connected with the enforcement of the virus-serum-toxin act. The allotment for the current fiscal year for hog-cholera field work is $150,000. In addition there remains a balance of approximately $45,000 from the appropriation made by the act of February 23, 1914, so that a total of $195,000 is available for this purpose. With the additional $60,000 there will be available for the fiscal year 1918 $210,000, or only $15,000 more than the amount that will be expended for this work during the current year.

Dourine (page 15, line 9).—There is an apparent increase in this item of $24,000, but, as $1,000 has been transferred to the statutory roll, there is an actual increase of $25,000. New language has been added providing that $50,000 shall be immediately available, so as to allow the department to place inspectors in the field during the spring and early summer, when the work can be done most advantageously.

Administrative expenses (page 15, line 12).—There is an apparent decrease in this item of $3,500, but, as that amount has been transferred to the statutory roll, there is actually no change.

MEAT INSPECTION (page 15, line 17).

There is an apparent increase in this item of $157,120, but, as $6,860 h been transferred to the statutory roll, there is an actual increase o $163,980. Of this increase, $22,380 covers the transfer of 25 places f m the statutory roll. The remaining $141,600 will be used for the e ployment of additional inspectors.

BUREAU OF PLANT INDUSTRY.

STATUTORY SALARIES (page 16, line 2).

The statutory roll of the Bureau of Plant Industry carries an parent increase of $1,140, but an actual decrease of $15,040, as dicated in detail in the following table:

ansfers from lump funds of this bureau, which funds have been correspondingly reduced:		
1 clerk class 1, from pomological investigations	$1,200	
1 clerk from pomological investigations	1,000	
3 clerks, at $900 each, from forest pathology, economic and systematic botany, and forage-crop investigations	2,700	
2 clerks, at $840 each, from horticultural investigations and forage-crop investigations	1,680	
2 messengers, messenger boys, or laborers, at $600 each, from bacteriology and nutrition and Arlington farm	1,200	
1 laboratory aid, from soil-fertility investigations	1,440	
1 laboratory aid or clerk, from cotton and truck diseases	1,200	
1 laboratory aid, from bacteriology and nutrition	720	
5 laborers, messengers, or messenger boys, at $480 each; 1 from crop physiology, 2 from bacteriology and nutrition, 1 from sugar-beet investigations, and 1 from purchase and distribution of valuable seeds	2,400	
1 laborer or charwoman, from purchase and distribution of valuable seeds	480	
1 laborer or messenger boy, from bacteriology and nutrition	420	
4 messenger boys, at $360 each, from forest pathology, pomological investigations, foreign seed and plant introduction, and purchase and distribution of valuable seeds	1,440	
1 messenger boy, from pomological investigations	300	
		$16,180
Transfer to other bureaus:		
1 clerk class 3, to statutory roll, Bureau of Markets	1,600	
2 clerks class 1, to statutory roll, Bureau of Markets	2,400	
2 clerks, at $1,020 each, to statutory roll, Bureau of Markets	2,040	
3 clerks, at $1,000 each, to statutory roll, Bureau of Markets	3,000	
4 clerks, at $900 each, to statutory roll, Bureau of Markets	3,600	
1 clerk, to statutory roll, Bureau of Markets	840	
1 clerk, to statutory roll, office of the Secretary	720	
1 laboratory aid, to statutory roll, Bureau of Markets	840	
Actual decrease		15,040
Apparent increase		1,140
Change of title:		
1 clerk class 2, in lieu of 1 assistant superintendent of seed warehouse		1,400
1 clerk, $1,020, in lieu of 1 seed warehouseman		1,020

GENERAL EXPENSES.

Plant-disease investigations (page 18, line 12).—There is an increase in this item of $24,000, which will be used as follows:

1. For extending the investigations relating to the control of root rot and similar tobacco diseases, $6,000.

2. For investigating a widespread bacterial disease of sweet corn, known as "Stewart's disease," $5,000.

3. For investigating a new bacterial disease of wheat found in Kansas during the past year, $3,000.

4. For the organization and maintenance of a plant-disease survey, $10,000. New language authorizing this work has been added to the paragraph.

Fruit-disease investigations (page 18, line 15).—There is an increase in this item of $7,800, which will be used as follows:

1. For investigating the cause of cranberry rot, $4,000.

2. To develop methods for the control of fruit rots and spots, and to extend the work on prune and cherry diseases, $3,800.

Citrus canker (page 18, line 17).—There is an increase in this item of $180,000. This sum is made immediately available so as to enable the department to continue the campaign against citrus canker during the current fiscal year, the funds carried in the appropriation act for 1917 being insufficient for that purpose. New language has been added requiring, in the discretion of the Secretary of Agriculture, contributions or appropriations by State, county, or local authorities, or by individuals or organizations, as a condition precedent to the expenditure of the $250,000 provided for the fiscal year 1918.

Forest pathology (page 19, line 11).—There is an apparent decrease in this item of $1,260, but, as that amount has been transferred to the statutory roll, there is actually no change.

Cotton and truck diseases (page 19, line 18).—There is an apparent increase in this item of $23,800, but, as $1,200 has been transferred to the statutory roll, there is an actual increase of $25,000. This amount will be used as follows:

1. For testing and perfecting methods of controlling fungous diseases of watermelons, $5,000.

2. For investigating tomato phoma rot, lettuce drop, and celery leaf blight, soft rot, and heart rot, $5,000.

3. For inaugurating investigations upon tomato diseases in the trucking districts, $5,000.

4. For the development of the truck-crop extension work in the North and West in cooperation with the States Relations Service, $3,000.

5. For investigating various bean diseases and for promoting the propagation and distribution of disease-free seed, $5,000.

6. For investigating alfalfa crown wart, alfalfa yellows, clover sickness, and the various rots, leaf spots, and other diseases of forage plants, $2,000.

Five thousand dollars has been made immediately available so as to enable the department to conduct work relating to destructive truck-crop diseases during the winter and spring of 1918.

Crop physiology (page 19, line 21).—There is an apparent decrease in this item of $480, but, as that amount has been transferred to the statutory roll, there is actually no change.

Soil bacteriology (page 19, line 23).—There is an apparent decrease in this item of $2,700, but, as that amount has been transferred to the statutory roll, there is actually no change.

Soil-fertility investigations (page 20, line 5).—There is an apparent decrease in this item of $1,440, but, as that amount has been transferred to the statutory roll, there is actually no change.

Crop acclimatization and fiber-plant investigations (page 20, line 10).—There is an apparent increase in this item of $32,430, but, as the fiber-plant investigations now conducted under the item for "Crop technology and fiber-plant investigations," with the accompanying allotment of $7,430, has been transferred to this paragraph, there is an actual increase of $25,000. This sum will be used for enlarging the fiber-plant investigations, with a view to determine the feasibility of increasing the production of hard fibers outside of the Continental United States. New language has been added specifically authorizing the inclusion of this work under this paragraph.

Drug-plant, poisonous-plant, physiological, and fermentation investigations (page 20, line 16).—There is an increase in this item of $5,000, which will be used in enlarging the study of the biochemical basis of disease immunity in plants.

Crop-technology investigations (page 20, line 20).—There is an apparent decrease in this item of $830, but, as $7,430, the present allotment for fiber-plant investigations, has been transferred to the item for crop-acclimatization investigations, there is an actual increase of $6,600. This amount will be used in extending the scope of the investigations with reference to the relationship of the different species of nematodes to agricultural operations.

Seed testing (page 20, line 24).—There is an increase in this item of $3,000 to enable the department to provide for the additional work necessitated by the amendment of the seed-importation act carried in the appropriation act for 1917.

Cereal investigations (page 21, line 11).—There is an increase in this item of $12,000, which will be used as follows:

1. For enlarging the field studies of the best methods of producing wheat, rye, and barley, $4,000.

2. For investigating conditions under which the usual seed treatments will not prevent bunt or stinking smut of wheat, and to extend the application of seed treatments in regions where they may be most effective, $4,500.

3. For extending the work relating to the production of cereals in the South, $3,500.

Tobacco investigations (page 21, line 22).—There is an increase in this item of $4,500. This sum will be used in developing methods for eliminating the losses of tobacco resulting from weather conditions.

Paper-plant investigations (page 21, line 24).—There is an increase in this item of $5,920. This sum will be used for installing a flax-tow machine for the purpose of determining the comparative commercial value of flax tow as a material for paper making.

Alkali and drought resistant plant investigations (page 22, line 3).—There is an increase in this item of $2,000, which will be used for extending the work in the breeding of drought-resistant field crops and in completing tests of new strains of alfalfa and brome grass.

Sugar-plant investigations (page 22, line 5).—There is an apparent increase in this item of $4,520; but as $480 has been transferred to the statutory roll and as the chemical investigations of table-sirup manufacture, carrying an allotment of $4,000, have been transferred from this item to the Bureau of Chemistry, there is an actual increase of $9,000. This sum will be used as follows:

1. For the extension of the experimental work with cane sirup, $1,500.

2. For economic and technical investigations as to the status of the sorghum industry, $5,000.

3. For experimental work in the control of the sugar-beet nematodes, $1,000.

4. For investigating, in cooperation with the Bureau of Entomology, the curly-top disease of sugar beets, $1,500.

The language of the paragraph has been amended so as to include the sorghum investigations and to exclude the chemical investigations, which are transferred to the Bureau of Chemistry, as indicated above.

Investigations in economic and systematic botany (page 22, line 18).—There is an apparent decrease in this item of $900, but as that amount has been transferred to the statutory roll there is actually no change.

Dry-land agriculture investigations (page 22, line 21).—There is no change in the amount of this item, but the language has been amended in the interest of clarity.

Pomological investigations (page 23, line 13).—There is an apparent decrease in this item of $2,860, but as that amount has been transferred to the statutory roll there is actually no change.

Horticultural investigations (page 24, line 1).—There is an apparent increase in this item of $6,660, but as $840 has been transferred to the statutory roll and as the work connected with the propagation and cultivation of bulbs, carrying an allotment of $7,500, has been transferred from the item for the "Purchase and distribution of valuable seeds," there is actually no change.

Arlington farm (page 24, line 5).—There is an apparent increase in this item of $6,900, but as $600 has been transferred to the statutory roll there is an actual increase of $7,500. This sum will provide for the expenses incident to the utilization of 60 additional acres of recently reclaimed land on the Arlington experimental farm.

Foreign seed and plant introduction (page 24, line 12).—There is an apparent increase in this item of $22,640, but as $360 has been transferred to the statutory roll there is an actual increase of $23,000. This sum will be used as follows:

1. For developing methods for the protection of new plant introductions and for their propagation under conditions designed to prevent the entry of new and dangerous plant diseases and insect pests, $8,500.

2. To provide necessary buildings at the Miami, Fla., field station, $2,500.

3. For enlarging the facilities at the Chico, Cal., station, $2,000.

4. For the establishment of a plant-introduction field station at Bellingham, Wash., $10,000.

Purchase, testing, and distribution of new and rare seeds, and forage-crop investigations (page 24, line 19).—There is an apparent

decrease in this item of $1,740, but as that amount has been transferred to the statutory roll there is actually no change.

PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS (page 25, line 10).

There is an apparent decrease in this item of $8,820, but, as $1,320 has been transferred to the statutory roll and $7,500 to the item for horticultural investigations, as already explained, there is actually no change in the amount for seed distribution.

FOREST SERVICE.

STATUTORY SALARIES (page 28, line 2).

There is an apparent increase in the statutory roll of $86,600, but an actual increase of $960, as indicated in detail in the following table:

Promotions:		
1 chief of office of accounts and fiscal agent from $2,500 to $2,620		$120
7 district fiscal agents from $2,000 each to $2,120 each		840
Actual increase		960
Transfers from lump funds of this bureau, which funds have been correspondingly reduced:		
1 inspector of records, from general administration	$2,400	
1 clerk, from general administration	1,400	
22 clerks, at $1,200 each—19 from national forests, 2 from general administration, and 1 from survey of lands	26,400	
6 clerks, at $1,100 each—5 from national forests and 1 from agricultural land classification	6,600	
2 clerks, at $1,020 each, from national forests	2,040	
11 clerks, at $900 each—6 from national forests, 2 from maintenance and supplies, 1 from agricultural land classification, 1 from survey of lands, and 1 from forest products	9,900	
1 draftsman or surveyor, from survey of lands	1,800	
2 draftsmen or surveyors, at $1,600 each, from agricultural land classification	3,200	
12 draftsmen or surveyors, at $1,500 each—6 from agricultural land classification and 6 from survey of lands	18,000	
3 draftsmen, at $1,400 each, 2 from survey of lands and 1 from agricultural land classification	4,200	
2 draftsmen, at $1,200 each, from agricultural land classification	2,400	
4 draftsmen or map colorists, at $900 each, from agricultural land classification	3,600	
1 carpenter, from forest products	1,000	
3 laboratory aids and engineers, at $900 each, from forest products	2,700	
		85,640
Apparent increase		86,600

GENERAL EXPENSES.

National forests (page 32, line 3).—There is an apparent increase in the items for the individual forests and for the general administrative expenses connected therewith of $16,060, but, as $41,940 has been transferred to the statutory roll, there is an actual increase of $58,000. There have been a number of adjustments in the appropriations for the individual forests, increases being made in some cases and decreases in others, and five forests being eliminated

through consolidation with other forests. The increase will be used as follows:

1. For the employment of additional short-term lookouts, patrolmen, and guards for fire protection, $27,400.

2. For additional scalers and for expenses incident to the increased timber sales, $22,200.

3. For additional grazing examiners, $8,400.

New language has been added to the item for the Nebraska National Forest (page 35, line 22), authorizing the department to acquire two small tracts of land needed in carrying on the nursery work provided by the paragraph.

The following new language has been added to the item for additional national forests to be created under the Weeks Forestry Act (page 39, line 11):

Provided, That hereafter all moneys received on account of permits for hunting, fishing, or camping on lands acquired under authority of said act, or any amendment or extension thereof, shall be disposed of as is provided by existing law for the disposition of receipts from national forests.

It may be appropriate at this point to call attention to the fact that the receipts from the national forests for the fiscal year 1916 were greater than for 1915 by $342,071.36, and totaled $2,823,540.71. There was an increase in timber receipts of $237,458.56; in grazing receipts of $79,719.59; in water-power rentals of $12,145.88; and in receipts from other sources of $12,747.33.

Classification of lands for homesteads (page 40, line 17).—There is an apparent decrease in this item of $21,600, but, as that amount has been transferred to the statutory roll, there is actually no change.

Entry surveys (page 40, line 21).—There is an apparent decrease in this item of $15,700, but, as that amount has been transferred to the statutory roll, there is actually no change.

Supplies and equipment (page 41, line 16).—There is an apparent increase in this item of $10,700, but, as $1,800 has been transferred to the statutory roll, there is an actual increase of $12,500. This sum will be used for the purchase of additional equipment and supplies for the forest products laboratory.

Forest products (page 41, line 19).—There is an apparent increase in this item of $20,400, but, as $4,600 has been transferred to the statutory roll, there is an actual increase of $25,000. This sum, with the new language added to the paragraph, makes provision for demonstrations on a commercial scale of the results of laboratory investigations with forest products.

National-forest range investigations (page 42, line 4).—There is an increase in this item of $5,000, which will be used in extending the grazing and range investigations.

Reconnoissance (page 42, line 17).—There is an increase in this item of $10,000, which will be used as follows:

1. For additional range reconnoissance, $6,000.

2. For the examination and appraisal of additional areas under application for timber sales, $4,000.

Permanent improvements on national forests (page 43, line 1).—There is an increase in this item of $50,000. This sum, with the new language which has been added to the paragraph, makes provision for the construction and maintenance of boundary and drift fences,

stock driveways and bridges and counting corrals, and for the development of stock-watering places.

Weeks law administrative expenses in Washington (page 43, line 23).—The language of this paragraph has been amended so as to increase by $10,000 the amount which may be expended in Washington for the administration of the Weeks Forestry Act and to authorize the transfer to Washington of some of the experienced title attorneys in order to facilitate the acquisition of lands under the act.

Utilization of mineral resources of lands acquired under the Weeks law (page 44, line 12).—In order to insure the permanency of this provision, the word "hereafter" has been inserted.

BUREAU OF CHEMISTRY.

STATUTORY SALARIES (page 44, line 24).

There is an apparent increase in this item of $47,520, but an actual increase of $16,140, as indicated in detail in the following table:

Promotions:		
1 executive clerk, from $2,000 to $2,120	$120	
1 food and drug inspector, from $2,000 to $2,120	120	
		$240
New places:		
3 clerks class 1	3,600	
1 food and drug inspector	2,500	
7 food and drug inspectors, at $1,400 each	9,800	
		15,900
		16,140
Place dropped:		
1 food and drug inspector		2,250
Actual increase		13,890
Transfers from lump funds of this bureau, which funds have been correspondingly reduced:		
1 food and drug inspector from food and drugs	2,250	
2 clerks class 2, from food and drugs	2,800	
16 clerks class 1, from food and drugs	19,200	
1 clerk from food and drugs	1,100	
1 clerk from food and drugs	1,020	
2 laboratory helpers, messenger boys, or laborers, at $720 each, from food and drugs	1,440	
6 laboratory helpers, messenger boys, or laborers, at $600 each, 5 from food and drugs and 1 from color investigations	3,600	
1 sampler from food and drugs	1,200	
1 messenger boy or laborer from food and drugs	480	
1 messenger boy or laborer from food and drugs	480	
		33,630
Apparent increase		47,520

GENERAL EXPENSES.

Poultry and eggs investigations (page 47, line 12).—There is an increase in this item of $10,000, which will be used for extending the demonstrations of methods of handling, packing, storing, and shipping of poultry and eggs and for laboratory research work.

Fish investigations (page 47, line 18).—There is an increase in this item of $4,600. This sum will be used for extending the investigations relating to the handling and shipping of fish.

Biological investigations (page 48, line 1).—There is an increase in this item of $5,000, which will be used for investigating the nutritive value of a number of stock feeds.

Citrus by-products (page 48, line 5).—There is an increase in this item of $4,920. This sum will be used for investigations relating to the utilization of citrus by-products and for investigating and developing methods for determining maturity in fruits and vegetables, the latter work being specifically authorized by the addition of new language.

Color investigations (page 48, line 10).—There is an apparent decrease in this item of $600, but, as that amount has been transferred to the statutory roll, there is actually no change. New language has been added authorizing repairs, alterations, improvements, or additions to a building on the Arlington experimental farm used in connection with the investigations.

Investigation of the manufacture of table sirup (page 48, line 15).—This appears as a new item at this place. The work, however, is now done under the sugar beet and table sirup item in the Bureau of Plant Industry, as already explained. There is no change in the amount involved.

Enforcement of the food and drugs act (page 48, line 17).—There is an apparent decrease in this item of $9,430, but, as $35,630 has been transferred to statutory rolls, there is an actual increase of $26,200. This sum will be used to provide for the normal development of the inspection work, to meet the continued advance in the price of chemicals and chemical apparatus, and to provide for the increased work under the net weight and Sherley amendments to the food and drugs act.

BUREAU OF SOILS.

STATUTORY SALARIES (page 49, line 18).

There is an apparent increase in this item of $2,340, but an actual increase of $120, as indicated in detail in the following table:

Promotion:		
1 chief clerk, from $2,000 to $2,120	$120	
Actual increase		$120
Transfers from lump fund of this bureau, which fund has been correspondingly reduced:		
1 laboratory helper, from investigation of fertilizer resources	840	
1 machinist, from investigation of fertilizer resources	1,380	
		2,220
Apparent increase		2,340

GENERAL EXPENSES.

Chemical investigations (page 50, line 19).—There is an increase in this item of $5,000, which will be used as follows:

1. To enlarge the facilities for making chemical analyses of soils required in connection with the soil-survey work, $2,000.
2. To meet the increased demand from other bureaus of the department for routine analytical work, $1,000.
3. To extend the investigations in the liming of soils, $2,000.

Investigations of fertilizer resources (page 51, line 6).—There is an apparent decrease in this item of $2,220, but, as that amount has been transferred to the statutory roll, there is actually no change.

Soil-survey investigations (page 51, line 9).—There is an increase in this item of $30,000, which will be used for extending the soil-survey work.

POTASH INVESTIGATIONS (page 51, line 20).

No appropriation is included in the bill for this work, but a paragraph has been inserted making available, until expended, the unexpended balance of the appropriation of $175,000 included in the appropriation act for the fiscal year 1917.

BUREAU OF ENTOMOLOGY.

STATUTORY SALARIES (page 52, line 7).

There is an apparent increase in this item of $3,500, but an actual increase of $500, as indicated in detail in the following table:

Promotion:		
1 chief of bureau, from $4,500 to $5,000	$500	
New places:		
2 charwomen, at $240 each	480	
		$980
Place dropped:		
1 charwoman		480
Actual increase		500
Transfers from lump funds of this bureau, which funds have been correspondingly reduced:		
1 clerk class 3, from miscellaneous insects	$1,600	
1 clerk class 2, from cereal and forage insects	1,400	
		3,000
Apparent increase		3,500

GENERAL EXPENSES.

Deciduous fruit-insect investigations (page 53, line 14).—There is an increase in this item of $17,600, which will be used as follows:

1. To enlarge the work with chestnut weevils and miscellaneous nut insects, $2,600.
2. To establish a field laboratory in the Ozark Mountain region of Arkansas, $5,000.
3. To establish a field station in one of the New England States for work in connection with the apple-tree tent caterpillar, $8,000.
4. To enlarge the work on insecticides, $2,000.

Cereal and forage insect investigations (page 53, line 16).—There is an apparent increase in this item of $8,600, but, as $1,400 has been transferred to the statutory roll, there is an actual increase of $10,000. This sum will be used in conducting special investigations with reference to the Hessian fly.

Southern field-crop insect investigations (page 53, line 19).—There is an increase in this item of $10,000. This sum will be used for investigational work relating to the cotton-boll weevil.

Truck-crop and stored-product insect investigations (page 53, line 24).—There is an increase in this item of $5,000, which will be used for extending the investigations, in cooperation with the Bureau of Plant Industry, in the control of the insect carriers of plant diseases.

Miscellaneous insect investigations (page 54, line 11).—There is an apparent decrease in this item of $1,600, but, as that amount has been transferred to the statutory roll, there is actually no change.

BUREAU OF BIOLOGICAL SURVEY.

STATUTORY SALARIES (page 55, line 15).

There is an apparent increase in this item of $2,340, but an actual increase of $1,200, as indicated in detail in the following table:

New place:		
1 clerk class 1	$1,200	
Actual increase		$1,200
Transfers from lump funds of this bureau, which funds have been correspondingly reduced:		
1 clerk, from biological investigations	900	
1 charwoman, from administrative expenses	240	
		1,140
Apparent increase		2,340
Change of title:		
1 clerk, $900, in lieu of 1 draftsman, $900.		

GENERAL EXPENSES.

Enforcement of the Lacey Act (page 56, line 6).—There is an increase in this item of $7,400 to provide for the more adequate enforcement of the Lacey Act.

Maintenance of mammal and bird reservations (page 56, line 18).—There is an increase in this item of $5,000 to provide for more adequate protection of some of the 70 Federal bird reservations and 5 large-game reservations.

Sullys Hill Game Preserve (page 57, line 7).—There is no change in the amount of this item, but new language has been added authorizing the maintenance of the preserve out of the funds provided by the paragraph.

Food habits of birds and mammals and destruction of predatory animals (page 57, line 13).—There is a decrease in this item of $5,000. The work of investigating the diseases of wild ducks in Utah will be completed during the present fiscal year, and accordingly the proviso carrying $5,000 for that purpose has been eliminated. The paragraph has been amended so as to authorize the destruction of predatory animals which prey upon wild game.

Biological investigations (page 58, line 7).—There is an apparent decrease in this item of $900, but, as that amount has been transferred to the statutory roll, there is actually no change.

Administrative expenses (page 58, line 19).—There is an apparent increase in this item of $2,440, but, as $240 has been transferred to the statutory roll, there is an actual increase of $2,680. This sum will provide for increased administrative expenses incident to the enlarged activities of the bureau.

DIVISION OF ACCOUNTS AND DISBURSEMENTS.

STATUTORY SALARIES (page 59, line 2).

There is an increase in the statutory roll of $240, as indicated in detail in the following table:

Promotions:		
1 cashier and chief clerk, from $2,250 to $2,370		$120
1 deputy disbursing clerk, from $2,000 to $2,120		120
Actual increase		240

Change of title:
1 clerk class 2, in lieu of 1 custodian of records and files, $1,400.

DIVISION OF PUBLICATIONS.

STATUTORY SALARIES (page 59, line 13).

There is an actual increase in this item of $4,990, as indicated in the following table:

Promotions:		
1 chief of division, $3,500 to $3,750	$250	
1 assistant in charge of illustrations, from $2,100 to $2,220	120	
1 assistant in charge of document section, from $2,000 to $2,100	100	
		$470
New places:		
1 draftsman or photographer	1,200	
1 clerk class 1	1,200	
		2,400
Transfers from funds of other bureaus, which funds have been correspondingly reduced:		
1 draftsman or photographer, from cotton futures act, Bureau of Markets	1,400	
1 clerk class 1, from statutory roll, office of the Secretary	1,200	
		2,600
		5,470
Transfer to statutory roll, office of Secretary, and this roll correspondingly reduced:		
1 charwoman		480
Actual increase		4,990

Change of title:
1 lantern-slide colorist, $840, in lieu of 1 skilled laborer, $840.
1 assistant in document section, $1,400, in lieu of 1 forewoman, $1,400.
17 skilled laborers, messengers, or messenger boys, at $720 each, in lieu of 15 skilled laborers at $720 each and 2 messengers at $720 each.

GENERAL EXPENSES.

Labor-saving machinery (page 60, line 23).—There is an increase in this item of $500 to provide for the purchase of a new cutting machine.

Office furniture and fixtures (page 61, line 1).—There is an increase in this item of $320, which will be used for the purchase of four additional fireproof storage cabinets.

Photographic equipment (page 61, line 2).—There is an increase in this item of $11,000, which will be used as follows:

1. To provide for the increase in the volume of photographic work and to meet the advance in the cost of materials, $1,000.

2. For the development of the motion-picture work of the department, $10,000. New language has been added authorizing the department to loan, rent, or sell copies of films under such regulations as the Secretary of Agriculture may prescribe.

BUREAU OF CROP ESTIMATES.

STATUTORY SALARIES (page 61, line 20).

There is an actual increase in this item of $6,260, as indicated in detail in the following table:

New places:	
2 clerks class 3	$3,200
1 clerk	900
3 messengers or laborers, at $720 each	2,160
Actual increase	6,260

GENERAL EXPENSES.

New language has been added (page 62, line 11) to the introductory paragraph requiring that the Monthly Crop Report shall be printed and distributed on or before the 12th day of each month.

Field investigations (page 62, line 18).—There is an increase in this item of $11,094, which will be used as follows:

1. For the promotion of six field employees now receiving salaries in excess of $1,800 per annum, $720.
2. For the appointment of three assistant truck-crop and fruit-crop specialists, $4,824.
3. To cover the traveling expenses of the three new agents ($1,500 each), $4,500.
4. For necessary supplies, telegraph and telephone charges, and miscellaneous expenses for the three new agents, $1,050.

LIBRARY.

STATUTORY SALARIES (page 62, line 24).

There is an apparent increase in this item of $1,740; but an actual increase of $740, as indicated in detail in the following table:

Promotion:		
1 librarian, from $2,000 to $2,200	$200	
New place:		
1 clerk	900	
		$1,100
Place dropped:		
1 messenger, messenger boy, or laborer		360
Actual increase		740
Transfer from lump fund of this office, which fund has been correspondingly reduced:		
1 clerk		1,000
Apparent increase		1,740

GENERAL EXPENSES (page 63, line 9).

There is an apparent increase in this item of $4,000, but as $1,000 has been transferred to the statutory roll, there is an actual increase of $5,000. This sum will provide for the purchase of additional books and periodicals needed in the work of the department.

RENT IN THE DISTRICT OF COLUMBIA.

Rent of buildings (page 64, line 10).—There is an increase in this item of $20,000, which will be used to provide the additional space made necessary by the enlarged activities of the department.

STATES RELATIONS SERVICE.

STATUTORY SALARIES (page 64, line 15).

There is an apparent increase in the statutory roll of $7,780, but an actual increase of $240, as indicated in detail in the following table:

Promotions:		
1 chief clerk, from $2,000 to $2,120	$120	
1 financial clerk, from $2,000 to $2,120	120	
Actual increase		$240
Transfers from lump funds of this service, which funds have been correspondingly reduced:		
1 clerk class 2, from farmers' cooperative demonstrations—North and West	1,400	
2 clerks, at $1,000 each, from farmers' cooperative demonstrations—North and West	2,000	
3 clerks, at $900 each, 2 from farmers' cooperative demonstrations—North and West, and 1 from farmers' cooperative demonstrations—South	2,700	
1 clerk, from farmers' cooperative demonstrations—South	840	
1 messenger, messenger boy, or laborer, from general administrative expenses	600	
		7,540
Apparent increase		7,780

Change of title:

1 messenger, messenger boy, or laborer, $720, in lieu of 1 clerk, $720.
1 messenger, messenger boy, or laborer, $720, in lieu of 1 clerk or photographer, $720.

GENERAL EXPENSES.

Administration of Hatch, Adams, and agricultural extension acts (page 65, line 22).—There is an increase in this item of $10,000, which will be used in connection with the administration of the agricultural extension act. New language has been added authorizing expenditures under this paragraph in the administration of the agricultural experiment stations in Alaska, Hawaii, Porto Rico, and Guam.

Farmers' cooperative demonstrations outside of the cotton belt (page 66, line 20).—There is an apparent increase in this item of $100,000, but, as $5,200 has been transferred to the statutory roll, there is an actual increase of $105,200. This sum will be used to promote the more rapid and adequate development of county agent work in the Northern and Western States, to promote the more rapid development of boys' and girls' club work, to extend the work in farm management demonstrations, and to develop the extension work among farm women.

Farmers' cooperative demonstrations in the South (page 66, line 24).—There is an apparent decrease in this item of $1,740, but, as that amount has been transferred to the statutory roll, there is actually no change.

Insular experiment stations (page 67, line 22).—There is an increase in this item of $12,000. Of this sum, $10,000, which is made immediately available, will be used in the establishment of a station in the Matanuska Valley authorized by the new language in the paragraph; the remaining $2,000 will be used for the development of the work at the other Alaska experiment stations.

Home-economics investigations (page 68, line 14).—There is an increase in this item of $14,780. This sum will be used as follows:

1. For investigations relating to the canning of meats in the home, $2,500.

2. For the study of the value in the diet of various preparations of macaroni, starches, buckwheat, and other cereals and cereal products, $4,000.

3. For studying the problems of household management and equipment, $5,000.

4. For collecting and summarizing existing knowledge of home economics, $3,280.

Administrative expenses (page 68, line 23).—There is an apparent decrease in this item of $600, but, as that amount has been transferred to the statutory roll, there is actually no change.

OFFICE OF PUBLIC ROADS AND RURAL ENGINEERING.

STATUTORY SALARIES (page 69, line 7).

There is an apparent increase in the statutory roll of $7,480, but an actual increase of $500, as indicated in detail in the following table:

Promotions:		
1 director, from $4,500 to $5,000		$500
Actual increase		500
Transfers from lump funds of this office, which funds have been correspondingly reduced:		
1 editor, from road management	$2,500	
1 clerk, from road building and maintenance	1,000	
1 laboratory aid, from road material	960	
1 messenger, laborer, or messenger boy, from road material	600	
1 skilled laborer from farm drainage	720	
1 fireman, from farm irrigation	720	
2 charwomen, at $240 each, from farm irrigation and farm drainage	480	
		6,980
Apparent increase		7,480

Change of title:

1 clerk, $1,900, in lieu of 1 chief clerk, $1,900.

GENERAL EXPENSES.

Road management investigations (page 70, line 20).—There is an apparent increase in this item of $1,500, but, as $2,500 has been transferred to the statutory roll, there is an actual increase of $4,000. This sum will be used in the study of State highway systems and in obtaining information which will be of service to the Federal Government and to the States in connection with the Federal-aid road act.

Road building and maintenance investigations (page 70, line 23).—There is an apparent decrease in this item of $1,000, but, as that amount has been transferred to the statutory roll, there is actually no change.

Road-material investigations (page 71, line 3).—There is an apparent increase in this item of $13,440, but, as $1,560 has been transferred to the statutory roll, there is an actual increase of $15,000. This sum will be used to meet the increased demand for tests of road-building materials incident to the administration of the Federal aid road act.

Farm irrigation investigations (page 71, line 14).—There is an apparent decrease in this item of $960, but, as that amount has been transferred to the statutory roll, there is actually no change.

Farm drainage investigations (page 72, line 3).—There is an apparent decrease in this item of $960, but, as that amount has been transferred to the statutory roll, there is actually no change.

Special rural engineering problems (page 72, line 18).—There is an increase in this item of $5,000 to extend the investigations of farm engineering problems. New language has been added authorizing the erection outside of the District of Columbia of structures, such as septic tanks, water troughs, hydraulic ram pits, etc., for experimental purposes only.

Administrative expenses (page 73, line 1).—There is an increase in this item of $3,400, which will be used to provide for the large increase in the general administrative work.

Erection of laboratory building at Arlington (page 73, line 4).—This is a new item. It appropriates $75,000 for the erection and equipment of a laboratory building on the Arlington farm for permanent quarters for the testing and research work of the Office of Public Roads and Rural Engineering.

BUREAU OF MARKETS.

The name of the Office of Markets and Rural Organization is changed to Bureau of Markets.

STATUTORY SALARIES (page 73, line 15).

There is an apparent increase in the statutory roll of $68,440, but an actual increase of $17,160, as indicated in detail in the following table:

Promotion:		
1 chief of bureau, from $4,500 to $5,000		$500
New places:		
1 draftsman	$900	
1 skilled laborer	900	
1 charwoman	540	
		2,340
		2,840
Transfers from statutory roll of Bureau of Plant Industry, which roll has been correspondingly reduced:		
1 clerk class 3	1,600	
2 clerks class 1	2,400	
2 clerks, at $1,020 each	2,040	
3 clerks, at $1,000 each	3,000	
4 clerks, at $900 each	3,600	
1 clerk	840	
1 laboratory aid	840	
		14,320
Actual increase		17,160

Transfers from lump funds of this bureau, which funds have been correspondingly reduced:		
1 administrative assistant, from administrative expenses	$2,500	
1 clerk class 3, from administrative expenses	1,600	
1 clerk class 2, from administrative expenses	1,400	
7 clerks class 1—3 from marketing and distributing farm products, 2 from administrative expenses, 1 from collecting and distributing market information, and 1 from grain standards	8,400	
2 clerks, at $1,100 each, from collecting and distributing market information and rural cooperation	2,200	
17 clerks, at $1,000 each, 10 from collecting and distributing market information, 3 from administrative expenses, 2 from marketing and distributing farm products, 1 from rural cooperation, and 1 from grain standards	17,000	
2 clerks, at $1,080 each, from collecting and distributing market information and administrative expenses	2,160	
6 clerks, at $900 each, from collecting and distributing market information	5,400	
1 clerk, from collecting and distributing market information	840	
1 laboratory helper, from grain standardization	900	
3 laboratory aids, at $720 each, from grain standardization	2,160	
1 supervising telegrapher, from collecting and distributing market information	1,620	
1 telegraph operator, from collecting and distributing market information	1,200	
1 telephone operator, from administrative expenses	600	
1 skilled laborer, from administrative expenses	900	
1 laborer, from cotton testing	660	
2 messenger boys or laborers, at $480 each, from cotton-futures and administrative expenses	960	
1 messenger boy, from collecting and distributing market information	420	
1 messenger boy, from cotton futures	360	
		$51,280
Apparent increase		68,440

GENERAL EXPENSES.

Marketing and distribution (page 74, line 20).—There is an apparent increase in this item of $4,400, but, as $5,600 has been transferred to the statutory roll, there is an actual increase of $10,000. This sum will be used to enable the department to extend to several additional crops the investigations relating to the establishment of market grades and standards.

Market news service (page 75, line 3).—There is an apparent increase in this item of $48,140, but, as $22,860 has been transferred to the statutory roll, there is an actual increase of $71,000. Of this sum, $40,000 is made immediately available, so that it may be used in connection with certain crops whose commercial movement will begin before the end of the present fiscal year. The remaining $31,000 will be required during the fiscal year 1918 properly to carry on the work as conducted during the present fiscal year.

Market reports on live stock and meats (page 75, line 8).—There is an increase in this item of $1,800 to provide for the employment of additional clerical assistance.

Cotton standardization (page 76, line 1).—There is an apparent increase in this item of $5,000, but, as $660 has been transferred to

the statutory roll, there is an actual increase of $5,660. This sum will be used for the purpose of conducting moisture tests.

Rural cooperation (page 76, line 10).—There is an apparent decrease in this item of $2,100, but, as that amount has been transferred to the statutory roll, there is actually no change.

State cooperation in marketing (page 76, line 19).—There is an increase in this item of $8,000. This sum will be used in cooperating with additional States which will have funds available for the purpose.

Grain standardization investigations (page 76, line 24).—This item has been transferred from the Bureau of Plant Industry. The language has been amended so as to eliminate the authority to fix standards. There is an apparent increase in the item of $17,820, but as $3,060 has been transferred to the statutory roll, there is an actual increase of $20,880. This sum will be used to facilitate the investigations looking to the determination of the standards required under the grain-standards act.

Administrative expenses (page 77, line 1).—There is an apparent increase in this item of $605, but as $13,960 has been transferred to the statutory roll, there is an actual increase of $14,565. This sum will provide for the increased administrative expenses incident to the enlarged activities of the bureau.

ENFORCEMENT OF THE COTTON-FUTURES ACT.

Enforcement of the cotton-futures act (page 77, line 5).—There is an apparent decrease in this item of $22,150, but as $2,240 has been transferred to statutory rolls, there is an actual decrease of $19,910.

ENFORCEMENT OF THE UNITED STATES GRAIN-STANDARDS ACT.

Enforcement of the United States grain-standards act (page 77, line 14.)—This appears as a new item under the Bureau of Markets. However, the grain-standards act, which was included as part B of the Agricultural appropriation act for 1917, carried an appropriation of $250,000, so that there is an apparent increase for the enforcement of the grain-standards act of $269,140; but, as $2,200 has been transferred to the statutory roll, there is an actual increase of $271,340. This sum is needed in order to provide the requisite machinery for the prompt and effective handling of the work involved in the administration of the act.

ADMINISTRATION OF THE UNITED STATES WAREHOUSE ACT.

Administration of the United States warehouse act (page 77, line 21).—This appears as a new item under the Bureau of Markets. However, the United States warehouse act, which was enacted as part C of the Agricultural appropriation act for 1917, carried an appropriation of $50,000, so that there is an actual increase of $9,620. This sum will be required for the proper administration of the act.

ENFORCEMENT OF THE INSECTICIDE ACT.

STATUTORY SALARIES (page 78, line 5).

There is an apparent increase in the statutory roll of $480, but no actual increase, as indicated in detail in the following table:

Transfer from lump fund of this office, which fund has been correspondingly reduced:	
1 messenger boy or laborer	$480
1 messenger boy or laborer, $480, in lieu of 1 messenger boy	$480
Change of title:	
1 messenger boy or laborer, $480, in lieu of 1 messenger boy	$480

GENERAL EXPENSES.

Enforcement of the insecticide act (page 78, line 16).—There is an apparent increase in this item of $7,020, but as $480 has been transferred to the statutory roll there is an actual increase of $7,500. This sum will permit the examination of a larger number of samples of insecticides and fungicides and will enable the department to meet the increased cost of chemicals and other materials used in the work.

FEDERAL HORTICULTURAL BOARD.

STATUTORY SALARIES (page 79, line 5).

There is an apparent increase in the statutory roll of $6,860, but no actual increase, as indicated in detail in the following table:

Transfers from lump fund of this board, which fund has been correspondingly reduced:	
1 clerk class 4	$1,800
2 clerks, at $1,000 each	2,000
3 clerks, at $900 each	2,700
1 messenger boy	360
Apparent increase	6,860

GENERAL EXPENSES.

Enforcement of the plant-quarantine act (page 79, line 17).—There is an apparent decrease in this item of $6,860, but as that amount has been transferred to the statutory roll, there is actually no change.

Pink boll worm of cotton (page 80, line 3).—This is a new item and carries an appropriation of $50,000. It was recommended by the Secretary of Agriculture in a supplemental estimate. Since the regular estimates were submitted, the pink boll worm has been discovered in the Laguna district of Mexico. This appropriation will enable the department to take appropriate measures to prevent the introduction of the pest into the United States or to insure its prompt elimination if it is found to have entered.

MISCELLANEOUS.

EXPERIMENTS IN DAIRYING AND LIVE-STOCK PRODUCTION IN SEMIARID AND IRRIGATED DISTRICTS (page 82, line 20).

There is a decrease in this item of $16,396.

PASSENGER-CARRYING VEHICLES (page 83, line 5).

This paragraph carries no appropriation. The amount authorized to be expended for the purchase, maintenance, repair, and operation of passenger-carrying vehicles and motor boats is increased by $15,000, of which $3,000 may be expended in the purchase of such vehicles. A new paragraph has been added authorizing the exchange of old vehicles in part payment for new vehicles.

ERADICATION OF FOOT-AND-MOUTH AND OTHER CONTAGIOUS DISEASES OF ANIMALS (page 84, line 8).

There is no change in the amount carried by this paragraph. The language has been amended so as to make available during the fiscal year 1918 the unexpended balance of the appropriation of $2,500,000 included in the appropriation act for the fiscal year 1916.

DESIGNATION OF EMPLOYEES TO ADMINISTER OATHS (page 85, line 23).

A new paragraph has been added authorizing the Secretary of Agriculture to designate officers, agents, and employees of the Department of Agriculture to administer oaths for use in the prosecution of cases arising under the laws intrusted to the department for administration. The purpose of this item is to decrease the cost of preparing cases for prosecution and to eliminate to a considerable extent the delay now experienced in getting them into court.

ADDITIONAL COMPENSATION FOR EMPLOYEES RECEIVING $1,800 AND LESS (page 87, line 1).

A new paragraph has been added providing, during the fiscal year 1918, increased compensation for employees of the Department of Agriculture, as follows:

1. Ten per cent for employees receiving salaries or wages at a rate per annum less than $1,200.
2. Five per cent for employees receiving salaries or wages at a rate of not more than $1,800 per annum and not less than $1,200 per annum.

It is estimated that this paragraph will involve approximately 12,000 employees, and that it will require approximately $900,000 to put it into effect during the fiscal year 1918.

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